

**SYSTEM AND METHOD FOR PROVIDING AN IMPROVED
COMMON CONTROL BUS FOR USE IN ON-LINE INSERTION OF LINE
REPLACEABLE UNITS IN WIRELESS AND WIRELINE ACCESS SYSTEMS**

ABSTRACT OF THE DISCLOSURE

5 There is disclosed a system and method for providing an improved common control bus for use in the on-line insertion of line replaceable units (such as circuit board cards) into a backplane of a processor shelf, a modem shelf, or a similar type of equipment. The present invention increases the number of device locations that a common control bus can access. The present invention comprises a complex programmable logic device on a circuit board card that is coupled to a common control bus. The complex programmable logic device is capable of selectively coupling to the common control bus each one of a plurality of device locations on the circuit board card. The complex programmable logic device controls data access to and from each device that is coupled to the common control bus.